| FORM PTO-1449 | ATTY. DOCKET NO. SP015.C15 (1397.028000F) | APPLICATION NO. 10/660,671 |
|---|---|---|
| | FIRST NAMED INVENTOR: NGUYEN et al. | |
| Sixth Supplemental INFORMATION DISCLOSURE STATEMENT | FILING DATE September 12, 2003 | ART UNIT 2183 |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA8 | | | | | | |
| | AB8 | | | | | | |
| | AC8 | | | | | | |
| | AD8 | | | | | | |
| | AE8 | | | | | | |
| | AF8 | | | | | | |
| ⟋ | AG8 | 5,129,067 | 07/1992 | Johnson | | | |
| ⟋ | AH8 | 5,345,569 | 09/1994 | Tran | | | |
| ⟋ | AI8 | 5,136,697 | 08/1992 | Johnson | | | |
| ⟋ | AJ8 | 6,256,720 | 07/2001 | Nguyen et al. | | | |
| ⟋ | AK8 | 5,287,467 | 02/1994 | Blaner et al. | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL7 | | | | | | Yes No |
| | AM7 | | | | | | Yes No |
| ⟋ | AN7 | 61-133439 | 06/20/1986 | Japan | | | X Yes No |
| ⟋ | AO7 | 51-10746 | 01/28/1976 | Japan | | | X Yes No |
| ⟋ | AP7 | 57-150040 | 09/16/1982 | Japan | | | X Yes No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | AR | 33 | |
|---|---|---|---|
| | AS | 33 | |
| | AT | 33 | |

| EXAMINER | DATE CONSIDERED |
|---|---|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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SKGF Rev. 12/03/03

| FORM PTO-1449 | ATTY. DOCKET NO.<br>SP015.C15 (1397.028000F) | APPLICATION NO.<br>10/660,671 |
|---|---|---|
| | FIRST NAMED INVENTOR: NGUYEN et al. | |
| Sixth Supplemental<br>INFORMATION DISCLOSURE STATEMENT | FILING DATE<br>September 12, 2003 | ART UNIT<br>2183 |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA9 | 4,775,927 | 10/1988 | Hester et al. | | | |
| | AB9 | 5,197,136 | 03/1993 | Kimura et al. | | | |
| | AC9 | 5,179,530 | 01/1993 | Genusov et al. | | | |
| | AD9 | 5,317,720 | 05/1994 | Stamm et al. | | | |
| | AE9 | 6,647,485 | 11/2003 | Nguyen et al. | | | |
| | AF9 | | | | | | |
| | AG9 | | | | | | |
| | AH9 | | | | | | |
| | AI9 | | | | | | |
| | AJ9 | | | | | | |
| | AK9 | | | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL8 | | | | | | Yes<br>No |
| | AM8 | | | | | | Yes<br>No |
| | AN8 | | | | | | Yes<br>No |
| | AO8 | | | | | | Yes<br>No |
| | AP8 | | | | | | Yes<br>No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 34 | |
| | AS | 34 | |
| | AT | 34 | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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SKGF Rev. 12/03/03

| FORM PTO-1449<br>Seventh Supplemental<br>INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO.<br>P015.C15 (1397.028000F) | APPLICATION NO.<br>10/660,671 |
| --- | --- | --- |
| | FIRST NAMED INVENTOR: NGUYEN et al. | |
| | FILING DATE<br>September 12, 2003 | ART UNIT<br>2183 |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
| --- | --- | --- | --- | --- | --- | --- | --- |
| | AA9 | | | | | | |
| | AB9 | | | | | | |
| | AC9 | | | | | | |
| | AD9 | | | | | | |
| | AE9 | | | | | | |
| W | AF9 | 5,167,035 | 11/1992 | Mann et al. | | | |
| W | AG9 | 2003-0056086-A1 | 3/20/2003 | Nguyen et al. | | | |
| W | AH9 | 2003-0079113-A1 | 4/24/2003 | Nguyen et al. | | | |
| W | AI9 | 2003-0070060-A1 | 4/10/2003 | Nguyen et al. | | | |
| W | AJ9 | 2003-0056087-A1 | 3/20/2003 | Nguyen et al. | | | |
| W | AK9 | 2004-0093483-A1 | 5/13/2004 | Nguyen et al. | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
| --- | --- | --- | --- | --- | --- | --- | --- |
| | AL8 | | | | | | Yes<br>No |
| | AM8 | | | | | | Yes<br>No |
| | AN8 | | | | | | Yes<br>No |
| | AO8 | | | | | | Yes<br>No |
| | AP | | | | | | Yes<br>No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
| --- | --- | --- | --- |
| | AR | 33 | |
| | AS | 33 | |
| | AT | 33 | |

| EXAMINER | DATE CONSIDERED |
| --- | --- |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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SKGF Rev. 12/03/03

| | | | | | | |
|---|---|---|---|---|---|---|
| FORM PTO-1449<br>Seventh Supplemental<br>INFORMATION DISCLOSURE STATEMENT | | | ATTY. DOCKET NO.<br>SP015.C15 (1397.028000F) | | APPLICATION NO.<br>10/660,671 | |
| | | | FIRST NAMED INVENTOR: NGUYEN et al. | | | |
| | | | FILING DATE<br>September 12, 2003 | | ART UNIT<br>2183 | |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| (W) | AA10 | 2004-0093485-A1 | 05/13/2004 | Nguyen et al. | | | |
| (W) | AB10 | 2004-0093482-A1 | 05/13/2004 | Nguyen et al. | | | |
| (W) | AC10 | 6,256,720 | 07/03/2001 | Nguyen et al. | | | |
| (W) | AD10 | 6,272,619 | 08/07/2001 | Nguyen et al. | | | |
| (W) | AE10 | 6,647,485 | 11/11/2003 | Nguyen et al. | | | |
| | AF10 | | | | | | |
| | AG10 | | | | | | |
| | AH10 | | | | | | |
| | AI10 | | | | | | |
| | AJ10 | | | | | | |
| | AK10 | | | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL9 | | | | | | Yes<br>No |
| | AM9 | | | | | | Yes<br>No |
| | AN9 | | | | | | Yes<br>No |
| | AO9 | | | | | | Yes<br>No |
| | AP9 | | | | | | Yes<br>No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 34 | |
| | AS | 34 | |
| | AT | 34 | |

| EXAMINER | DATE CONSIDERED |
|---|---|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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SKGF Rev. 12/03/03

| | | | | ATTY. DOCKET NO.<br>SP015.C15 (1397.028000F) | | APPLICATION NO.<br>10/660,671 | |
|---|---|---|---|---|---|---|---|
| **FORM PTO-1449** | | | | **FIRST NAMED INVENTOR:** NGUYEN et al. | | | |
| **Fifth Supplemental**<br>**INFORMATION DISCLOSURE STATEMENT** | | | | FILING DATE<br>September 12, 2003 | | ART UNIT<br>2183 | |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA8 | | | | | | |
| | AB8 | | | | | | |
| | AC8 | | | | | | |
| | AD8 | 4,833,599 | 05/23/1989 | Colwell et al. | | | |
| | AE8 | 4,974,154 | 11/27/1990 | Matsuo | | | |
| | AF8 | 5,142,634 | 08/25/1992 | Fite et al. | | | |
| | AG8 | | | | | | |
| | AH8 | | | | | | |
| | AI8 | | | | | | |
| | AJ8 | | | | | | |
| | AK8 | | | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL7 | | | | | | Yes / No |
| | AM7 | HEI2-130635 | 05/18/1990 | JP | | | X Yes / No |
| | AN7 | | | | | | Yes / No |
| | AO7 | | | | | | Yes / No |
| | AP7 | | | | | | Yes / No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 32 | Findlay, et al., "HARP: A VLIW RISC Processor", *Proceeding of 5th Annual European Computer Conference on Advanced Computer Technology, Reliable Systems and Applications*, May 16, 1991, pp. 368-372. |
| | AS | 32 | Kuga et al., "DSNS (Dynamically-hazard-resolved, Statically-code-scheduled, Nonuniform Superscalar): Yet Another Superscalar Processor Architecture", Dept. of Information Systems, Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Fukuoka, Japan, pp. 14-29. |
| | AT | 32 | Colwell et al., "A VLIW Architecture For A Trace Scheduling Compiler", Association For Computing Machinery (ACM), 1987, pp. 180-192. |

| EXAMINER | | DATE CONSIDERED | |
|---|---|---|---|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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SKGF Rev. 12/03/03

| | | ATTY. DOCKET NO. SP015.C15 (1397.028000F) | | APPLICATION NO. 10/660,671 | | | |
|---|---|---|---|---|---|---|---|

FORM PTO-1449

Fourth Supplemental
INFORMATION DISCLOSURE STATEMENT

FIRST NAMED INVENTOR: NGUYEN et al.

| FILING DATE September 12, 2003 | ART UNIT 2183 |
|---|---|

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| *(init)* | AA8 | 4,901,233 | 02/13/1990 | Liptay | | | |
| *(init)* | AB8 | 5,134,561 | 07/28/1992 | Liptay | | | |
| *(init)* | AC8 | 5,473,764 | 12/05/1995 | Chi | | | |
| | AD8 | | | | | | |
| | AE8 | | | | | | |
| | AF8 | | | | | | |
| | AG8 | | | | | | |
| | AH8 | | | | | | |
| | AI8 | | | | | | |
| | AJ8 | | | | | | |
| | AK8 | | | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| *(init)* | AL7 | 64 36336 | 02/07/1989 | Japan | | | Yes No |
| | AM7 | | | | | | Yes No |
| | AN7 | | | | | | Yes No |
| | AO7 | | | | | | Yes No |
| | AP7 | | | | | | Yes No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 31 | |
| | AS | 31 | |
| *(init)* | AT | 31 | Final Rejection, mailed January 30, 2004, for Japanese Appl. No. 2000-146443 and English language translation of same, 3 pages. |

| EXAMINER | DATE CONSIDERED |
|---|---|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.
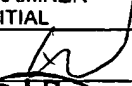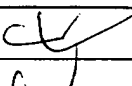
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SKGF Rev. 12/03/03

| | | | ATTY. DOCKET NO. SP015.C15 (1397.028000F) | | APPLICATION NO. 10/660,671 | | |
|---|---|---|---|---|---|---|---|

FORM PTO-1449

FIRST NAMED INVENTOR: NGUYEN et al.

INFORMATION DISCLOSURE STATEMENT

| FILING DATE | ART UNIT |
|---|---|
| September 12, 2003 | 2183 |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA8 | | | | | | |
| | AB8 | | | | | | |
| | AC8 | | | | | | |
| | AD8 | | | | | | |
| | AE8 | | | | | | |
| | AF8 | | | | | | |
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| | AH8 | | | | | | |
| | AI8 | | | | | | |
| | AJ8 | | | | | | |
| | AK8 | | | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL7 | | | | | | Yes No |
| | AM7 | | | | | | Yes No |
| | AN7 | | | | | | Yes No |
| | AO7 | | | | | | Yes No |
| | AP7 | | | | | | Yes No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 31 | |
| | AS | 31 | English language translation of Japanese Application No. 2-130635, dated May 18, 1990, 19 pages. |
| | AT | 31 | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

SKGF Rev. 12/03/03

| FORM PTO-1449 | ATTY. DOCKET NO. SP015.C15 (1397.028000F) | APPLICATION NO. 10/660,671 |
|---|---|---|
| | FIRST NAMED INVENTOR: NGUYEN et al. | |
| INFORMATION DISCLOSURE STATEMENT | FILING DATE September 12, 2003 | ART UNIT 2183 |
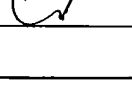
## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA7 | 4,644,466 | 02/17/1987 | Saito | | | |
| | AB7 | | | | | | |
| | AC7 | | | | | | |
| | AD7 | | | | | | |
| | AE7 | | | | | | |
| | AF7 | | | | | | |
| | AG7 | | | | | | |
| | AH7 | | | | | | |
| | AI7 | | | | | | |
| | AJ7 | | | | | | |
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## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION | |
|---|---|---|---|---|---|---|---|---|
| | AL6 | 2-130635 | 05/18/1990 | Japan | | | X Yes | No |
| | AM6 | 0 331 191 | 09/06/1989 | EP | | | Yes | No |
| | AN6 | 0 155 211 | 09/18/1985 | EP | | | Yes | No |
| | AO6 | | | | | | Yes | No |
| | AP6 | | | | | | Yes | No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 30 | European Search Report issued December 9, 2003 in EP application no. 03 02 4585, 3 pages. |
| | AS | 30 | Notice of Reason of Rejection, mailed October 24, 2003, for Japanese Appln. No. 2000-146441, 2 pages, accompanied by translation of 2 pages. |
| | AT | 30 | Notice of Reason of Rejection, mailed October 24, 2003, for Japanese Appln. No. 2000-146442, 2 pages, accompanied by translation of 4 pages. |

| EXAMINER | DATE CONSIDERED |
|---|---|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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SKGF Rev. 12/03/03

| FORM PTO-1449 | ATTY. DOCKET NO.<br>SP015.C15 (1397.028000F) | APPLICATION NO.<br>10/660,671 |
|---|---|---|
| | FIRST NAMED INVENTOR: NGUYEN et al. | |
| INFORMATION DISCLOSURE STATEMENT | FILING DATE<br>September 12, 2003 | ART UNIT<br>2183 |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA8 | | | | | | |
| | AB8 | | | | | | |
| | AC8 | | | | | | |
| | AD8 | | | | | | |
| | AE8 | | | | | | |
| | AF8 | | | | | | |
| | AG8 | | | | | | |
| | AH8 | | | | | | |
| | AI8 | | | | | | |
| | AJ8 | | | | | | |
| | AK8 | | | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL7 | | | | | | Yes<br>No |
| | AM7 | | | | | | Yes<br>No |
| | AN7 | | | | | | Yes<br>No |
| | AO7 | | | | | | Yes<br>No |
| | AP7 | | | | | | Yes<br>No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 31 | Notice of Reason of Rejection, mailed October 24, 2003, for Japanese Appln. No. 2000-146443, 2 pages, accompanied by translation of 4 pages. |
| | AS | 31 | |
| | AT | 31 | |

| EXAMINER | DATE CONSIDERED |
|---|---|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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| FORM PTO-1449 | ATTY. DOCKET NO. SP015.C15 (1397.028000F) | APPLICATION NO.: 10/660,671 |
|---|---|---|
| INFORMATION DISCLOSURE STATEMENT | FIRST NAMED INVENTOR: NGUYEN et al. | |
| | FILING DATE: September 12, 2003 | ART UNIT: 2183 |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA28 | | | | | | |
| | AB28 | | | | | | |
| | AC28 | | | | | | |
| | AD28 | | | | | | |
| | AE28 | | | | | | |
| | AF28 | | | | | | |
| | AG28 | | | | | | |
| | AH28 | | | | | | |
| | AI28 | | | | | | |
| | AJ28 | | | | | | |
| | AK28 | | | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION Yes / No |
|---|---|---|---|---|---|---|---|
| | AL5 | | | | | | Yes / No |
| | AM5 | 2000-353090A | 12/19/2000 | Japan | | | X Yes / No |
| | AN5 | 2000-339159A | 12/08/2000 | Japan | | | X Yes / No |
| | AO5 | 2000-339160A | 12/08/2000 | Japan | | | X Yes / No |
| | AP5 | 2000-357091A | 12/26/2000 | Japan | | | X Yes / No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 28 | |
| | AS | 28 | Notice of Grounds For Rejection, dated October 2, 2003, for Japanese Patent Application No. 2000-145123 (2 pages) with English translation (2 pages). |
| | AT | 28 | Notice of Grounds For Rejection, dated October 2, 2003, for Japanese Patent Application No. 2000-145124 (2 pages) with English translation (2 pages). |

| EXAMINER | DATE CONSIDERED |
|---|---|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

| FORM PTO-1449<br><br>INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO. SP015.C15<br>(1397.028000F) | APPLICATION NO.: 10/660,671 |
|---|---|---|
| | FIRST NAMED INVENTOR: NGUYEN et al. | |
| | FILING DATE: September 12, 2003 | ART UNIT: 2183 |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA29 | | | | | | |
| | AB29 | | | | | | |
| | AC29 | | | | | | |
| | AD29 | | | | | | |
| | AE29 | | | | | | |
| | AF29 | | | | | | |
| | AG29 | | | | | | |
| | AH29 | | | | | | |
| | AI29 | | | | | | |
| | AJ29 | | | | | | |
| | AK29 | | | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL29 | | | | | | Yes<br>No |
| | AM29 | | | | | | Yes<br>No |
| | AN29 | | | | | | Yes<br>No |
| | AO29 | | | | | | Yes<br>No |
| | AP29 | | | | | | Yes<br>No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| (initials) | AR | 29 | Notice of Grounds for Rejection, dated October 3, 2003, for Japanese Patent Application No. 2000-145125 (3 pages) with English translation (4 pages). |
| (initials) | AS | 29 | Notice of Grounds for Rejection, dated October 3, 2003, for Japanese Patent Application No. 2000-145126 (3 pages) with English translation (4 pages) |
| | AT | 29 | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

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SKGF Rev. 12/03/03

| | | | | | FORM PTO-1449 | | ATTY. DOCKET NO.<br>SP015.C15 | | APPLICATION NO.<br>To Be Assigned | | |
|---|---|---|---|---|---|---|---|---|---|---|---|

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

| ATTY. DOCKET NO.<br>SP015.C15 | APPLICATION NO.<br>To Be Assigned |
|---|---|
| APPLICANT<br>Nguyen et al. | |
| FILING DATE<br>Herewith | GROUP<br>To be assigned |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA1 | 3,346,851 | 10/1967 | Thornton et al. | | | |
| | AB1 | 3,718,912 | 02/1973 | Hasbrouck et al. | | | |
| | AC1 | 3,771,138 | 11/1973 | Celtruda et al. | | | |
| | AD1 | 3,789,365 | 01/1974 | Jen et al. | | | |
| | AE1 | 4,034,349 | 07/1977 | Monaco et al. | | | |
| | AF1 | 4,200,927 | 04/1980 | Hughes et al. | | | |
| | AG1 | 4,228,495 | 10/1980 | Bernhard et al. | | | |
| | AH1 | 4,296,470 | 10/1981 | Fairchild et al. | | | |
| | AI1 | 4,315,314 | 02/1982 | Russo | | | |
| | AJ1 | 4,410,939 | 10/1983 | Kawakami | | | |
| | AK1 | 4,434,461 | 02/1984 | Puhl | | | |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL1 | 0 479 390 A2 | 08/1992 | EP | | | Yes<br>No |
| | AM1 | 0 426 393 | 08/1991 | EP | | | Yes<br>No |
| | AN1 | 0 419 105 A2 | 10/1990 | EP | | | Yes<br>No |
| | AO1 | 0 402 856 | 12/1990 | EP | | | Yes<br>No |
| | AP1 | 0 377 991 A3 | 12/1989 | EP | | | Yes<br>No |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

| | | | |
|---|---|---|---|
| | AR | 1 | 8-Bit Embedded controller Handbook, Intel, 1989, pp. 1-1- 1-19 and 3-1 -3-37. |
| | AS | 1 | Acosta, Raymond D. et al., "An Instruction Issuing Approach to Enhancing Performance in Multiple Functional Unit Processors," IEEE Transactions on Computers, Vol. C-35, No. 9, September 1986, pp. 815-828. |
| | AT | 1 | Agerwala et al., "High Performance Reduced Instruction Set Processors," IBM Research Division, March 31, 1987, pp. 1-61. |

| EXAMINER | | DATE CONSIDERED | |
|---|---|---|---|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

| ATTY. DOCKET NO. SP015.C15 | APPLICATION NO. To Be Assigned |
|---|---|
| APPLICANT Nguyen *et al.* | |
| FILING DATE Herewith | GROUP To be assigned |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| ⟨initial⟩ | AA2 | 4,459,657 | 07/1984 | Murao | | | |
| ⟨initial⟩ | AB2 | 4,476,525 | 10/1984 | Ishii | | | |
| ⟨initial⟩ | AC2 | 4,626,989 | 12/1986 | Torii | | | |
| ⟨initial⟩ | AD2 | 4,675,806 | 06/1987 | Uchida | | | |
| ⟨initial⟩ | AE2 | 4,714,994 | 12/1987 | Oklobdzija *et al.* | | | |
| ⟨initial⟩ | AF2 | 4,722,049 | 01/1988 | Lahti | | | |
| ⟨initial⟩ | AG2 | 4,752,873 | 06/1988 | Shonai *et al.* | | | |
| ⟨initial⟩ | AH2 | 4,758,948 | 07/1988 | May *et al.* | | | |
| ⟨initial⟩ | AI2 | 4,766,566 | 08/1988 | Chuang | | | |
| ⟨initial⟩ | AJ2 | 4,807,115 | 02/1989 | Torng | | | |
| ⟨initial⟩ | AK2 | 4,858,105 | 08/1989 | Kuriyama *et al.* | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| ⟨initial⟩ | AL2 | 0 372 751 A2 | 11/1989 | EP | | | Yes No |
| ⟨initial⟩ | AM2 | 0 368 332 A2 | 05/1990 | EP | | | Yes No |
| ⟨initial⟩ | AN2 | 0 354 585 A2 | 02/1990 | EP | | | Yes No |
| ⟨initial⟩ | AO2 | 0 171 595 A2 | 02/1986 | EP | | | Yes No |
| ⟨initial⟩ | AP2 | 0 136 179 A2 | 09/1984 | EP | | | Yes No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| ⟨initial⟩ | AR | 2 | Aiken, A. and Nicolau, A., "Perfect Pipelining: A New Loop Parallelization Technique*," pp. 221-235. |
| ⟨initial⟩ | AS | 2 | Andrews, Distinctions Blur Between DSP Solutions, Computer Design, Vol. 28, No. 9, May 1, 1989, Littleton, Mass., pp. 86-99. |
| ⟨initial⟩ | AT | 2 | Charlesworth, A.E., "An Approach to Scientific Array Processing: The Architectural Design of the AP-120B/FPS-164 Family," Computer, Vol. 14, September 1981, pp. 18-27. |

| EXAMINER | | DATE CONSIDERED |
|---|---|---|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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| **FORM PTO-1449**<br><br>**INFORMATION DISCLOSURE STATEMENT** | | **ATTY. DOCKET NO.**<br>SP015.C15 | | **APPLICATION NO.**<br>To Be Assigned | |
| | | **APPLICANT**<br>Nguyen *et al.* | | | |
| | | **FILING DATE**<br>Herewith | | **GROUP**<br>To be assigned | |

### U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| 𝒞 | AA3 | 4,897,810 | 01/1990 | Nix | | | |
| | AB3 | 4,901,228 | 02/1990 | Kodama | | | |
| | AC3 | 4,901,233 | 02/1990 | Liptay | | | |
| | AD3 | 4,903,196 | 02/1990 | Pomerene *et al.* | | | |
| | AE3 | 4,924,376 | 05/1990 | Ooi | | | |
| | AF3 | 4,926,323 | 05/1990 | Baror *et al.* | | | |
| | AG3 | 4,942,525 | 07/1990 | Shintani *et al.* | | | |
| | AH3 | 4,985,825 | 01/1991 | Webb, Jr. *et al.* | | | |
| | AI3 | 4,992,938 | 02/1991 | Cocke *et al.* | | | |
| | AJ3 | 5,003,462 | 03/1991 | Blaner *et al.* | | | |
| | AK3 | 5,101,341 | 03/1992 | Circella *et al.* | | | |

### FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL3 | 2 575 564 | 12/1985 | FR | | | Yes<br>No |
| | AM3 | 2 011 682 | 11/1979 | GB | | | Yes<br>No |
| | AN3 | 61-95447 | 06/1986 | JP | | | Yes<br>No |
| | AO3 | 2-278337 | 11/1990 | JP | | | Yes<br>No |
| | AP3 | 3-137729 | 06/1991 | JP | | | Yes<br>No |

### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 3 | Colwell *et al.*, "A VLIW Architecture for a Trace Scheduling Compiler," Proceedings of the 2nd International Conference on Architectural Support for Programming Languages and Operating Systems, October 1987, pp. 180-192. |
| | AS | 3 | Foster *et al.*, "Percolation of Code to Enhance Parallel Dispatching and Execution," IEEE Trans. On Computers, December 1971, pp. 1411-1415. |
| | AT | 3 | Goodman, J.R. and Hsu, W., "Code Scheduling and Register Allocation in Large Basic Blocks," ACM, 1988, pp. 442-452. |

| EXAMINER | | DATE CONSIDERED | |
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### U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| ᘓ | AA4 | 5,127,091 | 02/1995 | Horst | | | |
| ᘓ | AB4 | 5,129,067 | 07/1992 | Johnson | | | |
| ᘓ | AC4 | 5,134,561 | 07/1992 | Liptay | | | |
| ᘓ | AD4 | 5,155,843 | 10/1992 | Stamm *et al.* | | | |
| ᘓ | AE4 | 5,187,796 | 02/1993 | Wang *et al.* | | | |
| ᘓ | AF4 | 5,226,126 | 07/1993 | McFarland *et al.* | | | |
| ᘓ | AG4 | 5,226,170 | 07/1993 | Rubinfeld | | | |
| ᘓ | AH4 | 5,230,068 | 07/1993 | Van Dyke *et al.* | | | |
| ᘓ | AI4 | 5,355,460 | 10/1994 | Eickenmeyer *et al.* | | | |
| ᘓ | AJ4 | 5,442,757 | 08/1995 | McFarland *et al.* | | | |
| ᘓ | AK4 | 5,461,715 | 10/1995 | Matsuo *et al.* | | | |

### FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| ᘓ | AL4 | 3-147134 | 06/1991 | JP | | | Yes<br>No |
| ᘓ | AM4 | 2-22736 | 01/1990 | JP | | | Yes<br>No |
| ᘓ | AN4 | 2-87229 | 03/1990 | JP | | | Yes<br>No |
| ᘓ | AO4 | 3-35322 | 02/1991 | JP | | | Yes<br>No |
| ᘓ | AP4 | 64-36366 | 02/1989 | JP | | | Yes<br>No |

### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

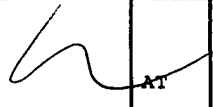| | | | |
|---|---|---|---|
| ᘓ | AR | 4 | Gross et al., "Optimizing Delayed Branches," Proceedings of the 5th Annual Workshop on Microprogramming, October 5-7, 1982, pp. 114-120. |
| ᘓ | AS | 4 | Groves, R.D. and Oehler, R., "An IBM Second Generation RISC Processor Architecture," IEEE, 1989, pp. 134-137. |
| ᘓ | AT | 4 | Bakoglu et al., "IBM Second-Generation RISC Machine Organization," 1990, IEEE, pp. 173-178. |

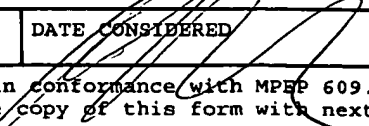| EXAMINER | | DATE CONSIDERED | |
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INFORMATION DISCLOSURE STATEMENT

APPLICANT<br>Nguyen et al.

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GROUP<br>To be assigned

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA5 | 5,487,156 | 01/1996 | Popescu et al. | | | |
| | AB5 | 5,488,729 | 01/1996 | Vesegna et al. | | | |
| | AC5 | 5,539,911 | 07/1996 | Nguyen et al. | | | |
| | AD5 | 5,561,776 | 10/1996 | Popescu et al. | | | |
| | AE5 | 5,574,927 | 11/1996 | Scantlin | | | |
| | AF5 | 5,592,636 | 01/1997 | Popescu et al. | | | |
| | AG5 | 5,625,837 | 04/1997 | Popescu et al. | | | |
| | AH5 | 5,627,983 | 05/1997 | Popescu et al. | | | |
| | AI5 | 5,651,125 | 07/1997 | Witt et al. | | | |
| | AJ5 | 5,689,720 | 11/1997 | Nguyen et al. | | | |
| | AK5 | 5,708,841 | 01/1998 | Popescu et al. | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL5 | 2-130634 | 05/1990 | Japan | | | Yes<br>No |
| | AM5 | | | | | | Yes<br>No |
| | AN5 | | | | | | Yes<br>No |
| | AO5 | | | | | | Yes<br>No |
| | AP5 | | | | | | Yes<br>No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 5 | H. Nakano et al., "A 80 Mflops 64-bit Microprocessor for Parallel Computer," 1991, IEEE, pp. 15.2.1-15.2.4. |
| | AS | 5 | Hennessy et al., Computer Architecture: A Quantitative Approach, Morgan Kaufman Publishers, Inc., 1990 (in its entirety). |
| | AT | 5 | Horst, R.W. et al., "Multiple Instruction Issue in the NonStop Cyclone Processor," IEEE, 1990, pp. 216-226. |

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|---|---|---|

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### U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| ✓ | AA6 | 5,768,575 | 06/1998 | McFarland *et al.* | | | |
| ✓ | AB6 | 5,778,210 | 07/1998 | Henstrom *et al.* | | | |
| ✓ | AC6 | 5,797,025 | 08/1998 | Popescu *et al.* | | | |
| ✓ | AD6 | 5,832,205 | 11/1998 | Kelly *et al.* | | | |
| ✓ | AE6 | 5,832,293 | 11/1998 | Popescu *et al.* | | | |
| ✓ | AF6 | 5,961,629 | 10/1999 | Nguyen *et al.* | | | |
| ✓ | AG6 | 6,038,654 | 03/2000 | Nguyen *et al.* | | | |
| ✓ | AH6 | 6,092,181 | 07/2000 | Nguyen *et al.* | | | |
| ✓ | AI6 | 6,101,594 | 08/2000 | Nguyen *et al.* | | | |
| ✓ | AJ6 | 6,128,723 | 10/2000 | Nguyen *et al.* | | | |
| ✓ | AK6 | 5,233,694 | 08/1993 | Hotta *et al.* | | | |

### FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL6 | | | | | | Yes No |
| | AM6 | | | | | | Yes No |
| | AN6 | | | | | | Yes No |
| | AO6 | | | | | | Yes No |
| | AP6 | | | | | | Yes No |

### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| ✓ | AR | 6 | Hwu et al., "HPSm, a High Performance Restricted Data Flow Architecture Having Minimal Functionality," Proceedings from ISCA-13, Tokyo, Japan, June 2-5, 1986, pp. 297-306. |
| ✓ | AS | 6 | Hwu et al., "Checkpoint Repair for High-Performance Out-of-Order Execution Machines," IEEE Trans. On Computers, Vol. C-36, NO. 12, December 1987, pp. 1496-1514. |
| ✓ | AT | 6 | Hwu et al., "Exploiting Parallel Microprocessor Microarchitectures with a Compiler Code Generator," Proceedings of the 15th Annual Symposium on Computer Architecture, June 1988, pp. 45-53. |

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### U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA7 | | | | | | |
| | AB7 | | | | | | |
| | AC7 | | | | | | |
| | AD7 | | | | | | |
| | AE7 | | | | | | |
| | AF7 | | | | | | |
| | AG7 | | | | | | |
| | AH7 | | | | | | |
| | AI7 | | | | | | |
| | AJ7 | | | | | | |
| | AK7 | | | | | | |

### FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL7 | | | | | | Yes No |
| | AM7 | | | | | | Yes No |
| | AN7 | | | | | | Yes No |
| | AO7 | | | | | | Yes No |
| | AP7 | | | | | | Yes No |
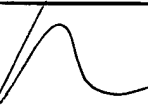
### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| ✓ | AR | 7 | IBM Journal of Research and Development, Vol. 34, No. 1, January 1990, pp. 1-70. |
| ✓ | AS | 7 | IBM Technical Disclosure Bulletin, Overlap of Store Multiple Operation With Succeeding Operations through Second Set of General Purpose Registers, Voll 28, No. 6, November 1989, New York, NY, pp. 2727-2728. |
| ✓ | AT | 7 | Jelemensky, New Microcomputer Features Advanced Hardware For Real-Time Control Applications, Electro Conference Record, Vol. 14, April 11, 1989, Los Angeles, CA, pp. 511-519. |

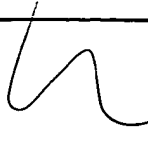| EXAMINER | DATE CONSIDERED |
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### U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA8 | | | | | | |
| | AB8 | | | | | | |
| | AC8 | | | | | | |
| | AD8 | | | | | | |
| | AE8 | | | | | | |
| | AF8 | | | | | | |
| | AG8 | | | | | | |
| | AH8 | | | : | | | |
| | AI8 | | | | | | |
| | AJ8 | | | | | | |
| | AK8 | | | | | | |

### FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL8 | | | | | | Yes<br>No |
| | AM8 | | | | | | Yes<br>No |
| | AN8 | | | | | | Yes<br>No |
| | AO8 | | | | | | Yes<br>No |
| | AP8 | | | | | | Yes<br>No |

### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 8 | Johnson, William M., Super-Scalar Processor Design, (Dissertation), copyright 1989, 134 pages. |
| | AS | 8 | Johnson, William M., Super-Scalar Processor Design, Prentice-Hall, Inc., 1991 (in its entirety). |
| | AT | 8 | Jouppi, N.H., "Integration and Packaging Plateaus of Processor Performance," IEEE, 1989, pp. 229-232. |

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### U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB-<br>CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA9 | | | | | | |
| | AB9 | | | | | | |
| | AC9 | | | | | | |
| | AD9 | | | | | | |
| | AE9 | | | | | | |
| | AF9 | | | | | | |
| | AG9 | | | | | | |
| | AH9 | | | | | | |
| | AI9 | | | | | | |
| | AJ9 | | | | | | |
| | AK9 | | | | | | |

### FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL9 | | | | | | Yes<br>No |
| | AM9 | | | | | | Yes<br>No |
| | AN9 | | | | | | Yes<br>No |
| | AO9 | | | | | | Yes<br>No |
| | AP9 | | | | | | Yes<br>No |

### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 9 | Jouppi, N.P., "The Nonuniform Distribution of Instruction-Level and Machine Parallelism and Its Effect on Performance," IEEE Transactions on Computers, Vol. 38, No. 12, December 1989, pp. 1645-1658. |
| | AS | 9 | Jouppi *et al.*, "Available Instruction-Level Parallelism for Superscalar and Superpipelined Machines," Proceedings of the 3$^{rd}$ International Conference on Architectural Support for Programming Languages and Operating Systems, April 1989, pp. 272-282. |
| | AT | 9 | Keller, R.M., "Look-Ahead Processors," Computing Surveys, Vol. 7, No. 4, December 1975, pp. 177-195. |

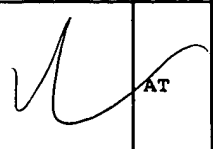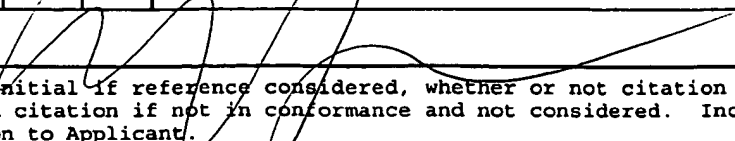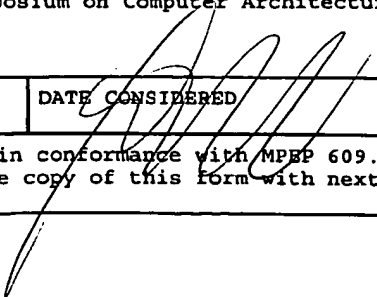| EXAMINER | DATE CONSIDERED |
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| | | FILING DATE<br>Herewith | | | GROUP<br>To be assigned | | |

### U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA10 | | | | | | |
| | AB10 | | | | | | |
| | AC10 | | | | | | |
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| | AH10 | | | | | | |
| | AI10 | | | | | | |
| | AJ10 | | | | | | |
| | AK10 | | | | | | |

### FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL10 | | | | | | Yes<br>No |
| | AM10 | | | | | | Yes<br>No |
| | AN10 | | | | | | Yes<br>No |
| | AO10 | | | | | | Yes<br>No |
| | AP10 | | | | | | Yes<br>No |

### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

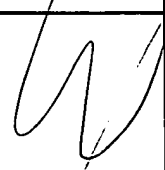| | | | |
|---|---|---|---|
| | AR | 10 | Lam, M.S., "Instruction Scheduling For Superscalar Architectures," Annu. Rev. Comput. Sci., Vol. 4, 1990, pp. 173-201. |
| | AS | 10 | Lee, Ruby B., "Precision Architecture," COMPUTER, January 1989, pp. 78-91. |
| | AT | 10 | Melear, C., Motorola, Inc., The Design of the 88000 RISC Family, IEEE MICRO, Vol. 9, No. 2, April 1989, Los Alamitos, CA, pp. 26-38. |

| EXAMINER | | DATE CONSIDERED | |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

| FORM PTO-1449 | ATTY. DOCKET NO. SP015.C15 | APPLICATION NO. To Be Assigned |
|---|---|---|
| INFORMATION DISCLOSURE STATEMENT | APPLICANT Nguyen et al. | |
| | FILING DATE Herewith | GROUP To be assigned |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA11 | | | | | | |
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| | AI11 | | | | | | |
| | AJ11 | | | | | | |
| | AK11 | | | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL11 | | | | | | Yes No |
| | AM11 | | | | | | Yes No |
| | AN11 | | | | | | Yes No |
| | AO11 | | | | | | Yes No |
| | AP11 | | | | | | Yes No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

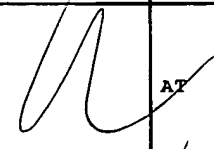| | | | |
|---|---|---|---|
| | AR | 11 | Murakami, K. et al., "SIMP (Single Instruction Stream/Multiple Instruction Pipelining): A Novel High-Speed Single-Processor Architecture," ACM, 1989, pp. 78-85. |
| | AS | 11 | Odnert, D. et al., "Architecture and Compiler Enhancements for PA-RISC Workstations," Proceedings from IEEE Compcon, February 25-March 1, 1991, San Francisco, CA, pp. 214-218. |
| | AT | 11 | Patent Abstracts of Japan, Vol. 010, No. 089, April 1986, & JP, A, 60 225 943 (Hitachi Seisakusho K K) November 11, 1985. |

| EXAMINER | | DATE CONSIDERED |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.
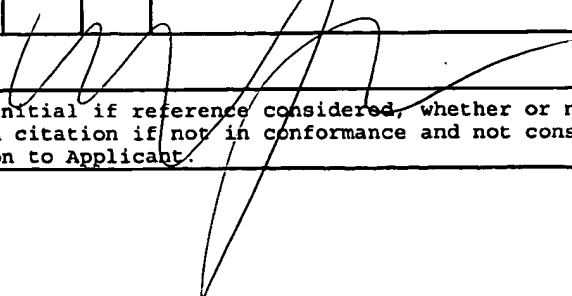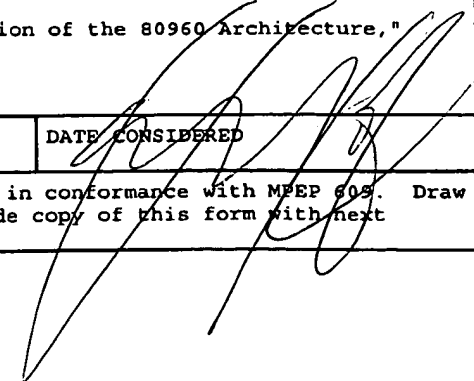
| FORM PTO-1449 | ATTY. DOCKET NO.<br>SP015.C15 | APPLICATION NO.<br>To Be Assigned |
|---|---|---|
| INFORMATION DISCLOSURE STATEMENT | APPLICANT<br>Nguyen et al. | |
| | FILING DATE<br>Herewith | GROUP<br>To be assigned |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB-<br>CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA12 | | | | | | |
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| | AF12 | | | | | | |
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| | AI12 | | | | | | |
| | AJ12 | | | | | | |
| | AK12 | | | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL | | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL12 | | | | | | Yes<br>No |
| | AM12 | | | | | | Yes<br>No |
| | AN12 | | | | | | Yes<br>No |
| | AO12 | | | | | | Yes<br>No |
| | AP12 | | | | | | Yes<br>No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 12 | Patt et al., "Critical Issues Regarding HPS, A High Performance Microarchitecture," Proceedings of the 18th Annual Workshop on Microprogramming, December 1985, pp. 109-116. |
| | AS | 12 | Patt et al., "HPS, A New Microarchitecture: Rationale and Introduction," Proceedings of the 18th Annual Workshop on Microprogramming, December 1985, pp. 103-108. |
| | AT | 12 | Pleszkun et al., "The Performance Potential of Multiple Functional Unit Processors," Proceedings of the 15th Annual Symposium on Computer Architecture, June 1988, pp. 37-44. |

| EXAMINER | DATE CONSIDERED |
|---|---|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

| | | | | ATTY. DOCKET NO. SP015.C15 | | APPLICATION NO. To Be Assigned | |
|---|---|---|---|---|---|---|---|
| **FORM PTO-1449** | | | | **APPLICANT** Nguyen *et al.* | | | |
| **INFORMATION DISCLOSURE STATEMENT** | | | | **FILING DATE** Herewith | | **GROUP** To be assigned | |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA13 | | | | | | |
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**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL13 | | | | | | Yes No |
| | AM13 | | | | | | Yes No |
| | AN13 | | | | | | Yes No |
| | AO13 | | | | | | Yes No |
| | AP13 | | | | | | Yes No |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

| | | | |
|---|---|---|---|
| | AR | 13 | Pleszkun et al., "WISQ: A Restartable Architecture Using Queues," Proceedings of the 14th International Symposium on Computer Architecture, June 1987, pp. 290-299. |
| | AS | 13 | Popescu et al., The Metaflow Architecture, Metaflow Technologies, Inc., June 1991(in its entirety). |
| | AT | 13 | S. McGeady, "The i960A Superscalar Implementation of the 80960 Architecture," IEEE, 1990, pp. 232-240. |

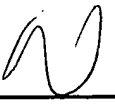| EXAMINER | | DATE CONSIDERED | |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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|---|---|
| APPLICANT Nguyen et al. | |
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## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA14 | | | | | | |
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## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL14 | | | | | | Yes No |
| | AM14 | | | | | | Yes No |
| | AN14 | | | | | | Yes No |
| | AO14 | | | | | | Yes No |
| | AP14 | | | | | | Yes No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 14 | Smith et al., Implementation Precise Interrupts in Pipelined Processors, IEEE Transactions on Computers, Vol. 37, No. 5, May 1988, New York, NY, p. 562, 573. |
| | AS | 14 | Smith et al., "Implementation of Precise Interrupts in Pipelined Process," Proceedings of the 12th Annual International Symposium on Computer Architecture, June 1985, pp. 36-44. |
| | AT | 14 | Smith et al., "Limits on Multiple Instruction Issue," Proceedings of the 3rd International Conference on Architectural Support for Programming Languages and Operating Systems, April 1989, pp. 290-302. |

| EXAMINER | DATE CONSIDERED |
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|---|---|---|
| **FORM PTO-1449**<br><br>INFORMATION DISCLOSURE STATEMENT | **APPLICANT**<br>Nguyen *et al.* | |
| | **FILING DATE**<br>Herewith | **GROUP**<br>To be assigned |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA15 | | | | | | |
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**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL15 | | | | | | Yes No |
| | AM15 | | | | | | Yes No |
| | AN15 | | | | | | Yes No |
| | AO15 | | | | | | Yes No |
| | AP15 | | | | | | Yes No |

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

| | | | |
|---|---|---|---|
| ⁀⁀ | AR | 15 | Smith, M.D. *et al.*, "Boosting Beyond Static Scheduling in a Superscalar Processor," IEEE, 1990, pp. 344-354. |
| | AS | 15 | Sohi, Gurindar S. and Sriram Vajapeyam, "Instruction Issue Logic for High-Performance, Interruptable Pipelined Processors," Conference Proceedings of the 14th Annual International Symposium on Computer Architecture, June 2-5, 1987, pp. 27-34. |
| | AT | 15 | Thornton, J.E., Design of a Computer: The Control Data 6600, Control Data Corporation, 1970, pp. 58-140. |

| EXAMINER | | DATE CONSIDERED | |
|---|---|---|---|

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| | APPLICANT Nguyen et al. | |
| INFORMATION DISCLOSURE STATEMENT | FILING DATE Herewith | GROUP To be assigned |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA16 | | | | | | |
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## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL16 | | | | | | Yes No |
| | AM16 | | | | | | Yes No |
| | AN16 | | | | | | Yes No |
| | AO16 | | | | | | Yes No |
| | AP16 | | | | | | Yes No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 16 | Tjaden et al., "Detection and Parallel Execution of Independent Instructions," IEEE Trans. On Computers, Vol. C-19, No. 10, October 1970, pp. 889-895. |
| | AS | 16 | Tjaden et al., "Representation of Concurrency with Ordering Matrices," IEEE Trans. On Computers, Vol. C-22, No. 8, August 1973, pp. 752-761. |
| | AT | 16 | Tjaden, Representation and Detection of Concurrency Using Ordering Matrices, (Dissertation), 1972, pp. 1-199. |

| EXAMINER | DATE CONSIDERED |
|---|---|

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| FORM PTO-1449 | ATTY. DOCKET NO. SP015.C15 | APPLICATION NO. To Be Assigned |
|---|---|---|
| INFORMATION DISCLOSURE STATEMENT | APPLICANT Nguyen *et al.* | |
| | FILING DATE Herewith | GROUP To be assigned |

### U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
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| | AA17 | | | | | | |
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| | AJ17 | | | | | | |
| | AK17 | | | | | | |

### FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL17 | | | | | | Yes No |
| | AM17 | | | | | | Yes No |
| | AN17 | | | | | | Yes No |
| | AO17 | | | | | | Yes No |
| | AP17 | | | | | | Yes No |

### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

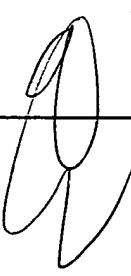| | | | |
|---|---|---|---|
| | AR | 17 | Tomasulo, R.M., "An Efficient Algorithm for Exploiting Multiple Arithmetic Units," IBM Journal, Vol. 11, January 1967, pp. 25-33. |
| | AS | 17 | Uht, A.K., "An Efficient Hardware Algorithm to Extract Concurrency From General-Purpose Code," Proceedings of the 19th Annual Hawaii International Conference on System Sciences, 1986, pp. 41-50. |
| | AT | 17 | Wedig, R.G., Detection of Concurrency in Directly Executed Language Instruction Streams, (Dissertation), June 1982, pp. 1-179. |

| EXAMINER | DATE CONSIDERED |
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| | |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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|---|---|---|
| FORM PTO-1449 | APPLICANT Nguyen *et al.* | |
| INFORMATION DISCLOSURE STATEMENT | | |
| | FILING DATE Herewith | GROUP To be assigned |

### U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA18 | | | | | | |
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| | AH18 | | | | | | |
| | AI18 | | | | | | |
| | AJ18 | | | | | | |
| | AK18 | | | | | | |

### FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL18 | | | | | | Yes No |
| | AM18 | | | | | | Yes No |
| | AN18 | | | | | | Yes No |
| | AO18 | | | | | | Yes No |
| | AP18 | | | | | | Yes No |

### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 18 | Weiss, R., Third-Generation RISC Processors, On Special Report, March 30, 1992, pp. 96-108. |
| | AS | 18 | Weiss et al., "Instruction Issue Logic in Pipelined Supercomputers," Reprinted from IEEE Trans. On Computers, Vol. C-33, No. 11, November 1984, pp. 1013-1022. |
| | AT | 18 | English Language Translation of Japanese Patent Appl. No. 61-95447, published May 14, 1986, 15 pages. |

| EXAMINER | | DATE CONSIDERED |
|---|---|---|

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

| ATTY. DOCKET NO. SP015.C15 | APPLICATION NO. To Be Assigned |
|---|---|
| APPLICANT Nguyen *et al*. | |
| FILING DATE Herewith | GROUP To be assigned |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA19 | | | | | | |
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| | AJ19 | | | | | | |
| | AK19 | | | | | | |
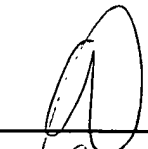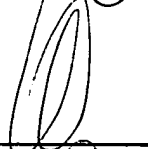
## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| | AL19 | | | | | | Yes No |
| | AM19 | | | | | | Yes No |
| | AN19 | | | | | | Yes No |
| | AO19 | | | | | | Yes No |
| | AP19 | | | | | | Yes No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 19 | English Language Translation of Japanese Patent Appl. No. 2-278337, published November 14, 1990, 20 pages. |
| | AS | 19 | English Language Translation of Japanese Patent Appl. No. 3-137729, published June 12, 1991, 7 pages. |
| | AT | 19 | English Language Translation of Japanese Patent Appl. No. 3-147134, published June 24, 1991, 18 pages. |

| EXAMINER | DATE CONSIDERED |
|---|---|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

| FORM PTO-1449 | ATTY. DOCKET NO.<br>SP015.C15 | APPLICATION NO.<br>To Be Assigned |
|---|---|---|
| INFORMATION DISCLOSURE STATEMENT | APPLICANT<br>Nguyen et al. | |
| | FILING DATE<br>Herewith | GROUP<br>To be assigned |

### U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA20 | | | | | | |
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### FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
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| | AL20 | | | | | | Yes No |
| | AM20 | | | | | | Yes No |
| | AN20 | | | | | | Yes No |
| | AO20 | | | | | | Yes No |
| | AP20 | | | | | | Yes No |
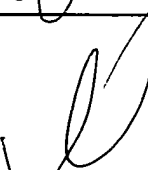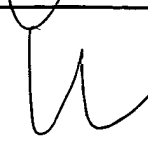
### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 20 | Kuga Morio et al., "Performance Evaluation of the Superscalar Processor "SIMP" based on the SIMP (Single Instruction Stream/Multiple Instruction Pipeline) Architecture," Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, 1990, pp. 337-344. |
| | AS | 20 | English Language Translation, Kuga Morio et al., "Performance Evaluation of the Superscalar Processor "SIMP" based on the SIMP (Single Instruction Stream/Multiple Instruction Pipeline) Architecture," Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, 1990, pp. 337-344, (Document AR20). |
| | AT | 20 | Kuga Morihiro et al., "Low-Level Parallel Processing Algorithm for the SIMP Processor Prototype," Department of Information Systems, Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Vol. 30, No. 12, Dec. 1989, pp. 1603-1611. |

| EXAMINER | DATE CONSIDERED |
|---|---|
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| FORM PTO-1449<br><br>INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO.<br>SP015.C15 | | APPLICATION NO.<br>To Be Assigned | |
|---|---|---|---|---|
| | APPLICANT<br>Nguyen et al. | | | |
| | FILING DATE<br>Herewith | | GROUP<br>To be assigned | |

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA21 | | | | | | |
| | AB21 | | | | | | |
| | AC21 | | | | | | |
| | AD21 | | | | | | |
| | AE21 | | | | | | |
| | AF21 | | | | | | |
| | AG21 | | | | | | |
| | AH21 | | | | | | |
| | AI21 | | | | | | |
| | AJ21 | | | | | | |
| | AK21 | | | | | | |

## FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL21 | | | | | | Yes No |
| | AM21 | | | | | | Yes No |
| | AN21 | | | | | | Yes No |
| | AO21 | | | | | | Yes No |
| | AP21 | | | | | | Yes No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 21 | English Language Translation, Kuga Morihiro et al., "Low-Level Parallel Processing Algorithm for the SIMP Processor Prototype," Department of Information Systems, Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Vol. 30, No. 12, Dec. 1989, pp. 1603-1611, (Document AT20). |
| | AS | 21 | US Application 09/336,589, Senter Cheryl et al., June 21, 1999. |
| | AT | 21 | Colwell et al., "A VLIW Architecture for a Trace Scheduling Compiler," Proceedings of the 2nd International Conference on Architectural Support for Programming Languages and Operating Systems, October 5-8, 1987, California. |

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| | APPLICANT<br>Nguyen *et al.* | |
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|---|---|---|---|---|---|---|---|
| | AA22 | | | | | | |
| | AB22 | | | | | | |
| | AC22 | | | | | | |
| | AD22 | | | | | | |
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| | AG22 | | | | | | |
| | AH22 | | | | | | |
| | AI22 | | | | | | |
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| | AK22 | | | | | | |

### FOREIGN PATENT DOCUMENTS

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|---|---|---|---|---|---|---|---|
| | AL22 | | | | | | Yes No |
| | AM22 | | | | | | Yes No |
| | AN22 | | | | | | Yes No |
| | AO22 | | | | | | Yes No |
| | AP22 | | | | | | |

### OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| *(initials)* | AR | 22 | Notification of Reason for Refusal for Japanese Patent Application No. 2000-145123, mailed June 26, 2002, 2 pages. |
| *(initials)* | AS | 22 | Notification of Reason for Refusal for Japanese Patent Application No. 2000-145124, mailed June 26, 2002, 2 pages. |
| *(initials)* | AT | 22 | Notification of Reason for Refusal for Japanese Patent Application No. 2000-145125, mailed June 26, 2002, 2 pages. |

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| | AA23 | | | | | | |
| | AB23 | | | | | | |
| | AC23 | | | | | | |
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| | AH23 | | | | | | |
| | AI23 | | | | | | |
| | AJ23 | | | | | | |
| | AK23 | | | | | | |

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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL23 | | | | | | Yes No |
| | AM23 | | | | | | Yes No |
| | AN23 | | | | | | Yes No |
| | AO23 | | | | | | Yes No |
| | AP23 | | | | | | Yes No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|---|---|---|---|
| | AR | 23 | Notification of Reason for Refusal for Japanese Patent Application No. 2000-145126, mailed July 3, 2002, 2 pages. |
| | AS | 23 | Notification of Reason for Refusal for Japanese Patent Application No. 2000-146442, mailed July 3, 2002, 2 pages. |
| | AT | 23 | Notification of Reason for Refusal for Japanese Patent Application No. 2000-146443, mailed July 3, 2002, 2 pages. |

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|---|---|---|---|---|---|---|---|
| | AA24 | | | | | | |
| | AB24 | | | | | | |
| | AC24 | | | | | | |
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| | AG24 | | | | | | |
| | AH24 | | | | | | |
| | AI24 | | | | | | |
| | AJ24 | | | | | | |
| | AK24 | | | | | | |

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|---|---|---|---|---|---|---|---|
| | AL24 | | | | | | Yes<br>No |
| | AM24 | | | | | | Yes<br>No |
| | AN24 | | | | | | Yes<br>No |
| | AO24 | | | | | | Yes<br>No |
| | AP24 | | | | | | Yes<br>No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
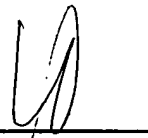
| | | | |
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| FORM PTO-1449<br><br>INFORMATION DISCLOSURE STATEMENT | | APPLICANT<br>Nguyen *et al.* | | | |
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|---|---|---|---|---|---|---|---|
| | AA25 | | | | | | |
| | AB25 | | | | | | |
| | AC25 | | | | | | |
| | AD25 | | | | | | |
| | AE25 | | | | | | |
| | AF25 | | | | | | |
| | AG25 | | | | | | |
| | AH25 | | | . | | | |
| | AI25 | | | | | | |
| | AJ25 | | | | | | |
| | AK25 | | | | | | |

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|---|---|---|---|---|---|---|---|
| | AL25 | | | | | | Yes<br>No |
| | AM25 | | | | | | Yes<br>No |
| | AN25 | | | | | | Yes<br>No |
| | AO25 | | | | | | Yes<br>No |
| | AP25 | | | | | | Yes<br>No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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| | AS | 25 | English-language translation for Notification of Refusal for Japanese Patent Application No. 2000-145125, mailed June 26, 2002, 4 pages. |
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| | APPLICANT<br>Nguyen *et al.* | |
| INFORMATION DISCLOSURE STATEMENT | FILING DATE<br>Herewith | GROUP<br>To be assigned |

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|---|---|---|---|---|---|---|---|
| | AA26 | | | | | | |
| | AB26 | | | | | | |
| | AC26 | | | | | | |
| | AD26 | | | | | | |
| | AE26 | | | | | | |
| | AF26 | | | | | | |
| | AG26 | | | | | | |
| | AH26 | | | | | | |
| | AI26 | | | | | | |
| | AJ26 | | | | | | |
| | AK26 | | | | | | |

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|---|---|---|---|---|---|---|---|
| | AL26 | | | | | | Yes<br>No |
| | AM26 | | | | | | Yes<br>No |
| | AN26 | | | | | | Yes<br>No |
| | AO26 | | | | | | Yes<br>No |
| | AP26 | | | | | | Yes<br>No |

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| | AR | 26 | English-language translation for Notification of Reason for Refusal for Japanese Patent Application No. 2000-146442, mailed July 3, 2002, 4 pages. |
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| | AT | 26 | Kuga Morihiro et al., "Low-Level Parallel Processing Algorithms for the "Shinpu" Processor Based on the SIMP (Single Instruction Stream / Multiple Instruction Pipelining) Method, Department of Information System, Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Vol. 30, No. 12, December 1989, pages 1603-1611. |

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| INFORMATION DISCLOSURE STATEMENT | APPLICANT Nguyen et al. | |
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| | AA27 | | | | | | |
| | AB27 | | | | | | |
| | AC27 | | | | | | |
| | AD27 | | | | | | |
| | AE27 | | | | | | |
| | AF27 | | | | | | |
| | AG27 | | | | | | |
| | AH27 | | | | | | |
| | AI27 | | | | | | |
| | AJ27 | | | | | | |
| | AK27 | | | | | | |

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|---|---|---|---|---|---|---|---|
| | AL27 | | | | | | Yes No |
| | AM27 | | | | | | Yes No |
| | AN27 | | | | | | Yes No |
| | AO27 | | | | | | Yes No |
| | AP27 | | | | | | Yes No |

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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|---|---|---|---|
| ✓ | AR | 27 | English-language translation, Kuga Morihiro et al., "Low-Level Parallel Processing Algorithms for the "Shinpu" Processor Based on the SIMP (Single Instruction Stream / Multiple Instruction Pipelining) Method, Department of Information System, Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Vol. 30, No. 12, December 1989, pages 1603-1624. |
| ✓ | AS | 27 | Final Rejection from Japanese Patent Appl. No. 502150, 1 page, (July 16, 2002) |
| ✓ | AT | 27 | English translation of Final Rejection from Japanese Patent Appl. No. 502150, 1 page, (July 16, 2002) |

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| | APPLICANT<br>Nguyen *et al.* | |
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-CLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | AA28 | | | | | | |
| | AB28 | | | | | | |
| | AC28 | | | | | | |
| | AD28 | | | | | | |
| | AE28 | | | | | | |
| | AF28 | | | | | | |
| | AG28 | | | | | | |
| | AH28 | | | | | | |
| | AI28 | | | | | | |
| | AJ28 | | | | | | |
| | AK28 | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB-CLASS | TRANSLATION |
|---|---|---|---|---|---|---|---|
| | AL28 | | | | | | Yes No |
| | AM28 | | | | | | Yes No |
| | AN28 | | | | | | Yes No |
| | AO28 | | | | | | Yes No |
| | AP28 | | | | | | Yes No |

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

| | | | |
|---|---|---|---|
| | AR | 28 | English translation of Japanese Laid Open Patent Appl. No. H02-130634, (May 18, 1990 - date of publication), 56 pages. |
| | AS | 28 | |
| | AT | 28 | |

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